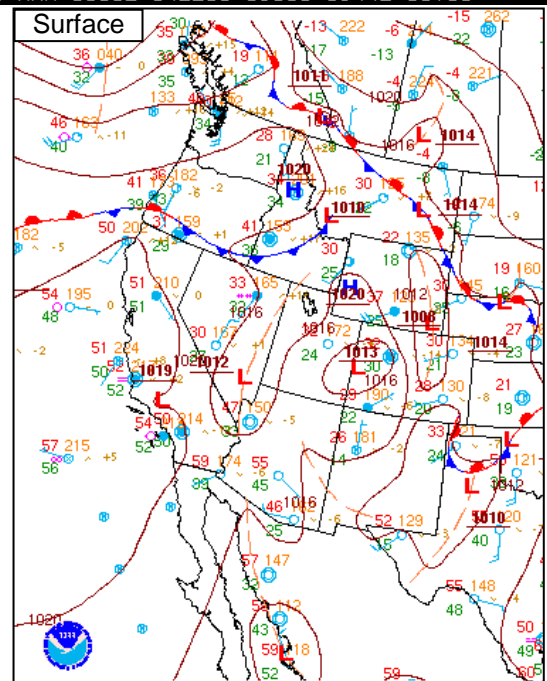
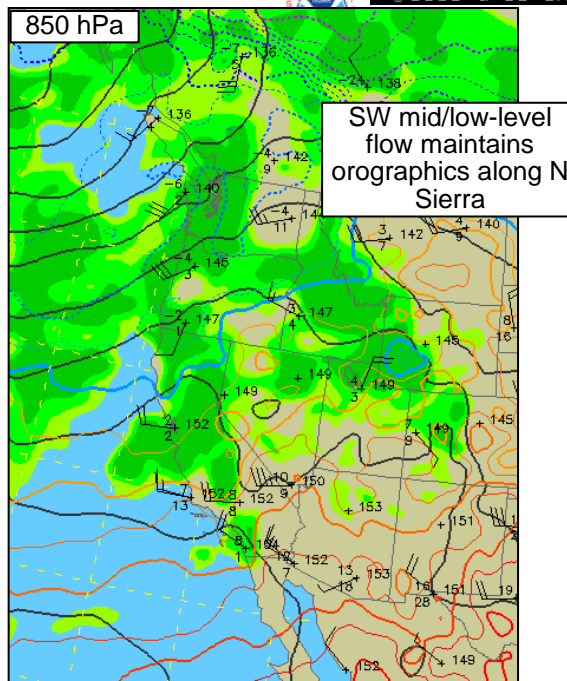
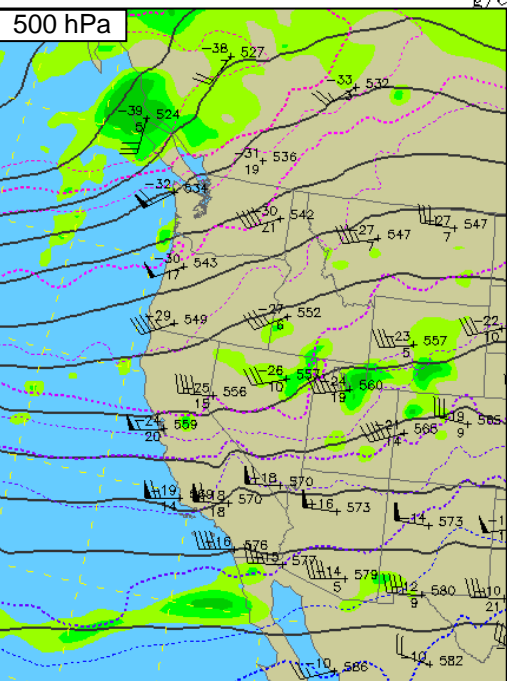
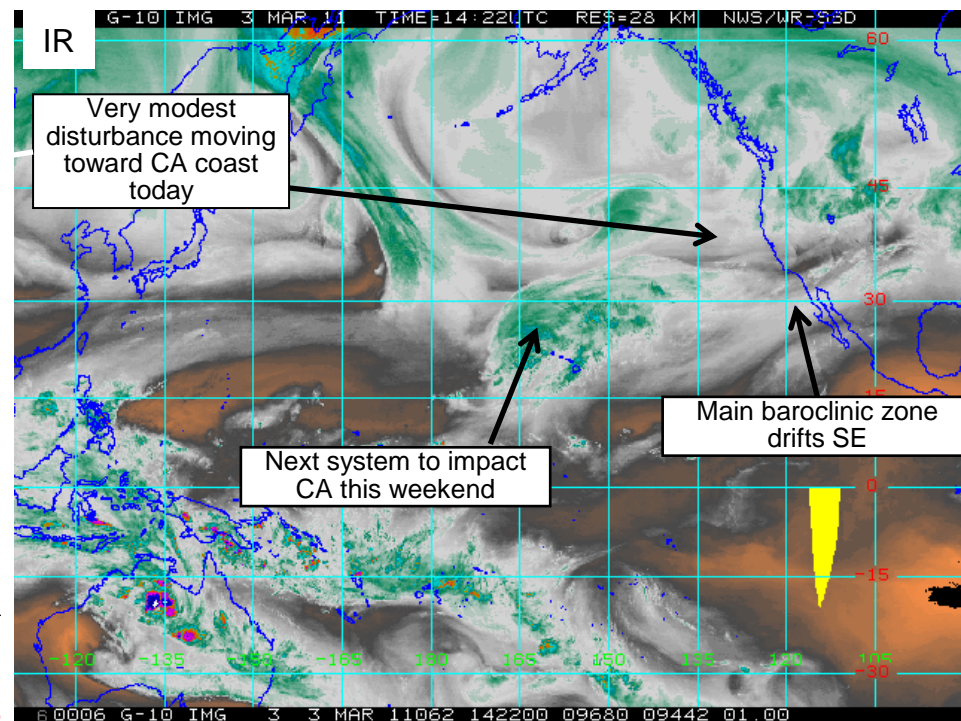
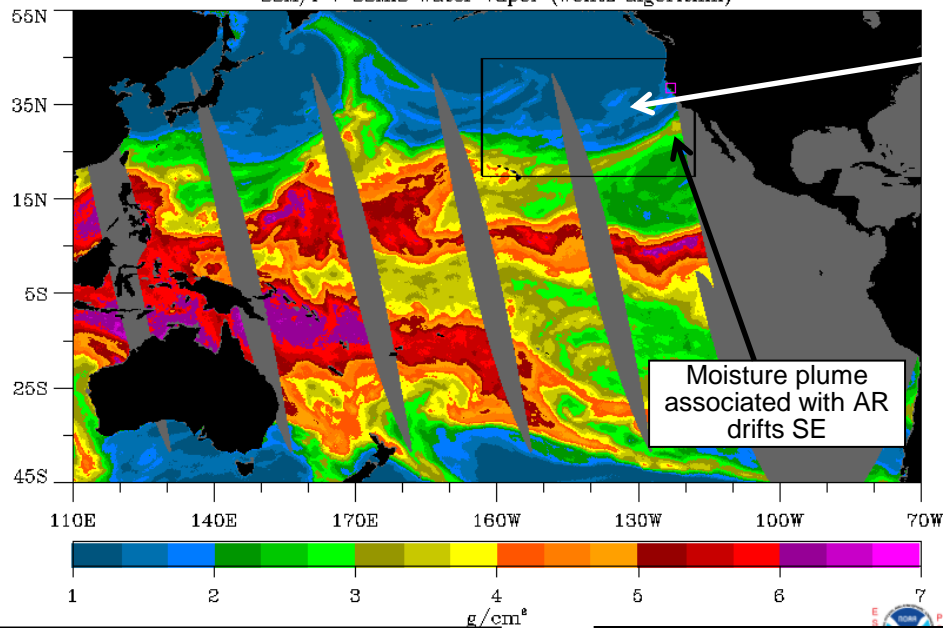


Weather forecast graphics  
for CalWater/HMT-2011:  
3 Mar 2011

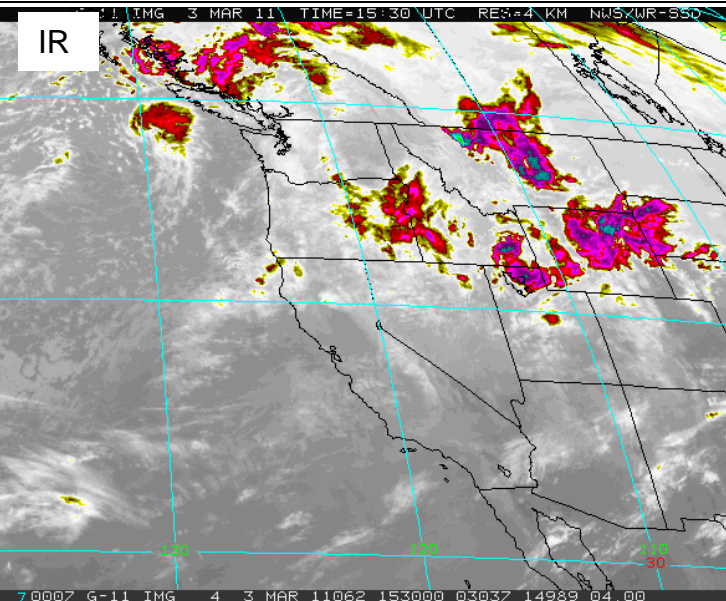
# Conditions this morning

March 03, 2011 1300 UTC Preceding 12 Hours  
SSM/I + SSMIS Water Vapor (Wentz algorithm)

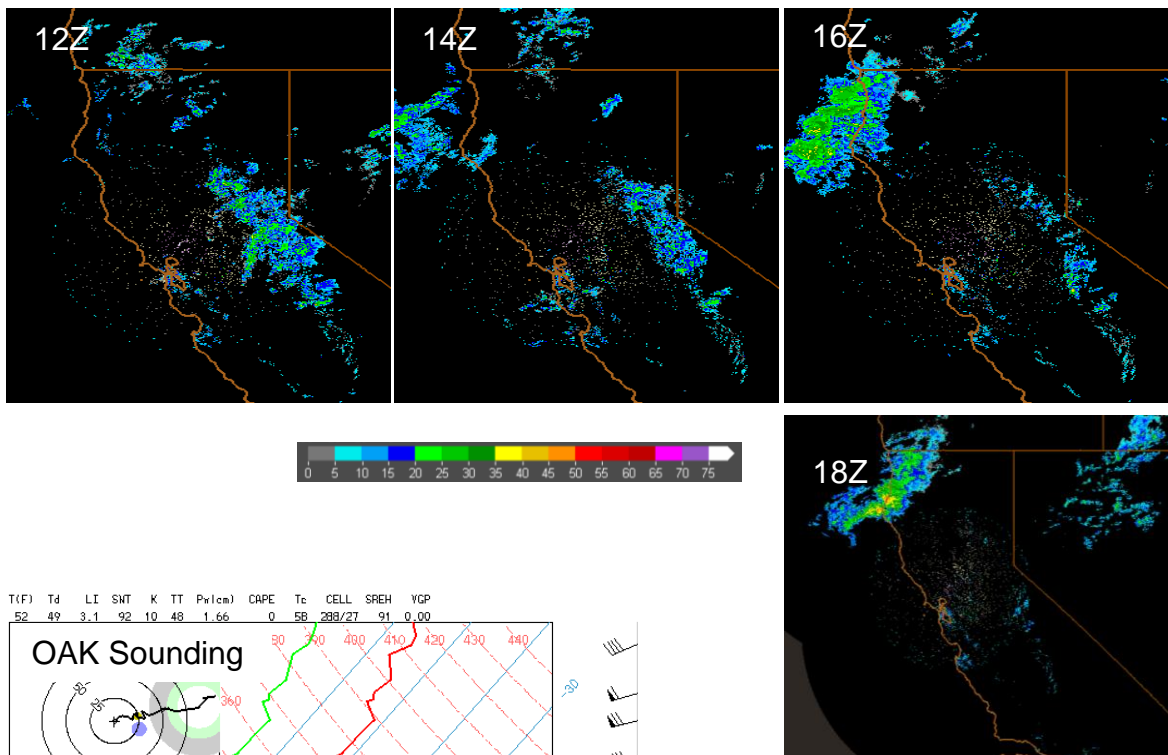


# Conditions this morning

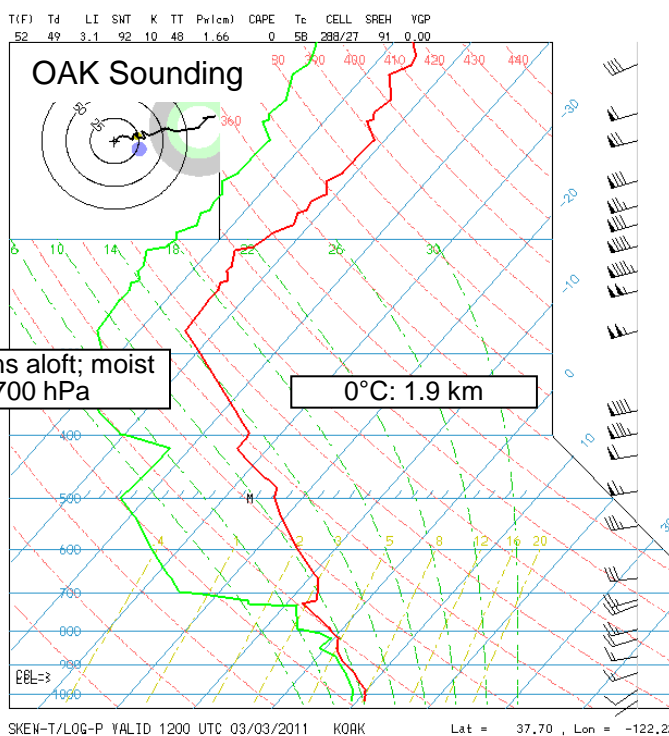
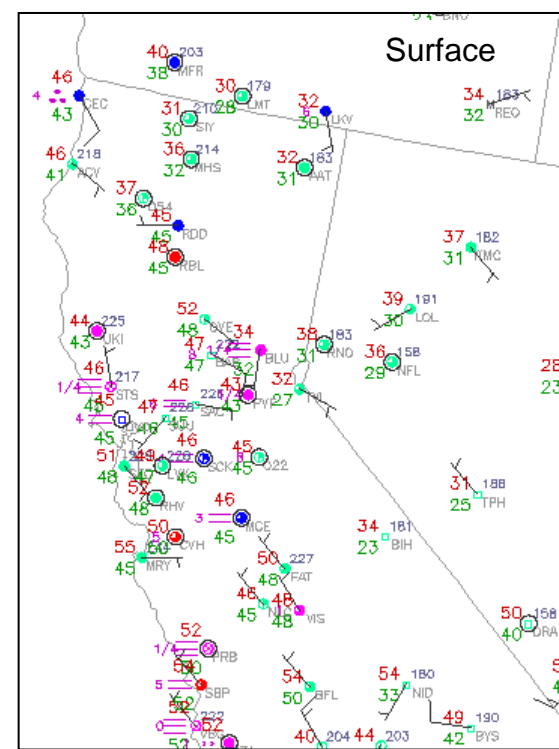
IR



## Composite Radar



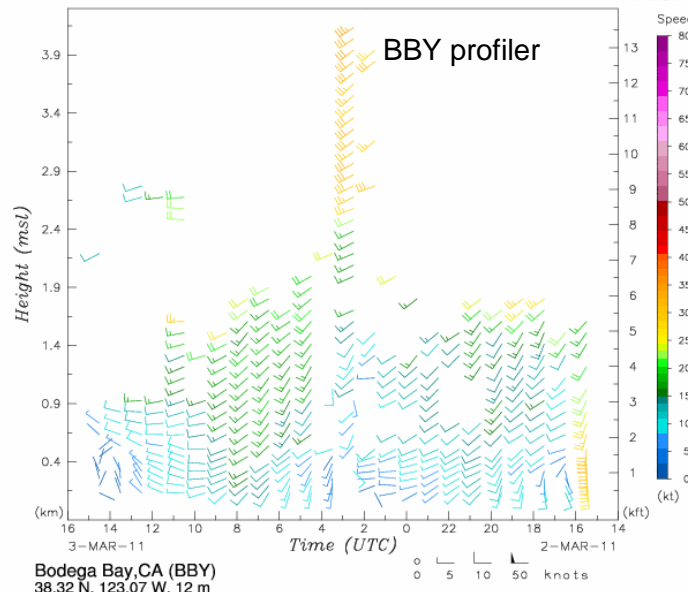
## Surface



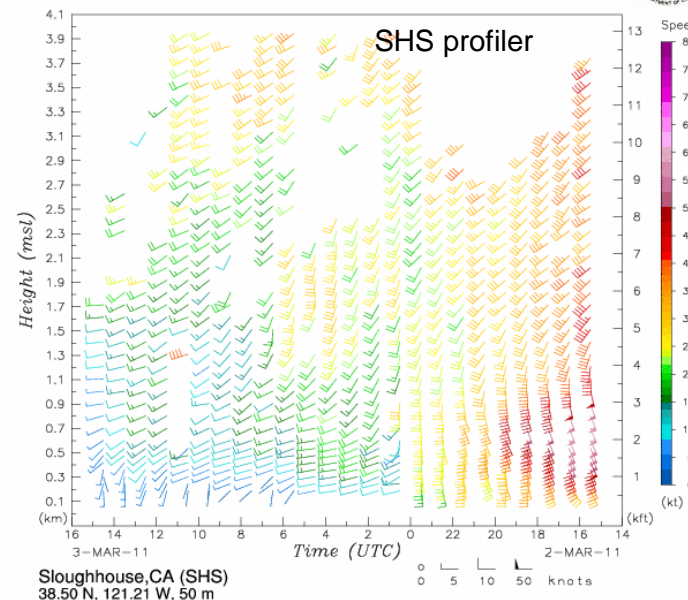
Generally  
WSW flow  
through  
depth of trop



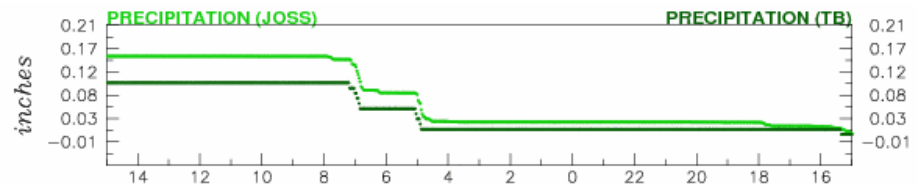
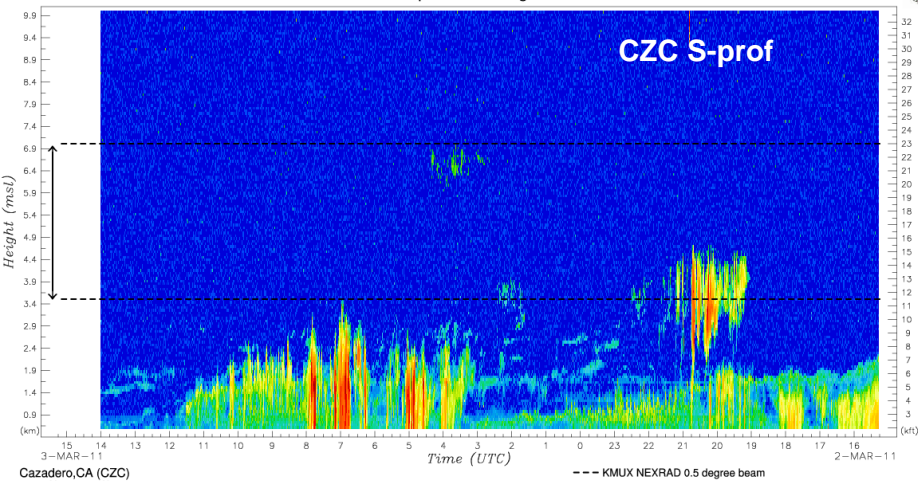
# ESRL Physical Sciences Division Wind Profiling Radar



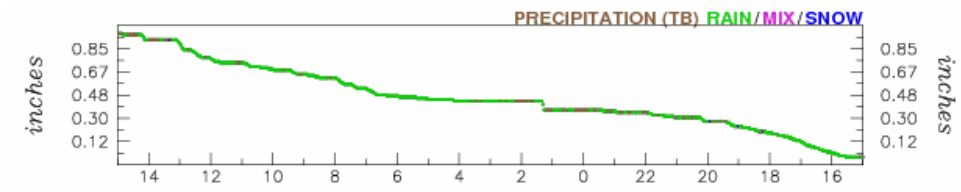
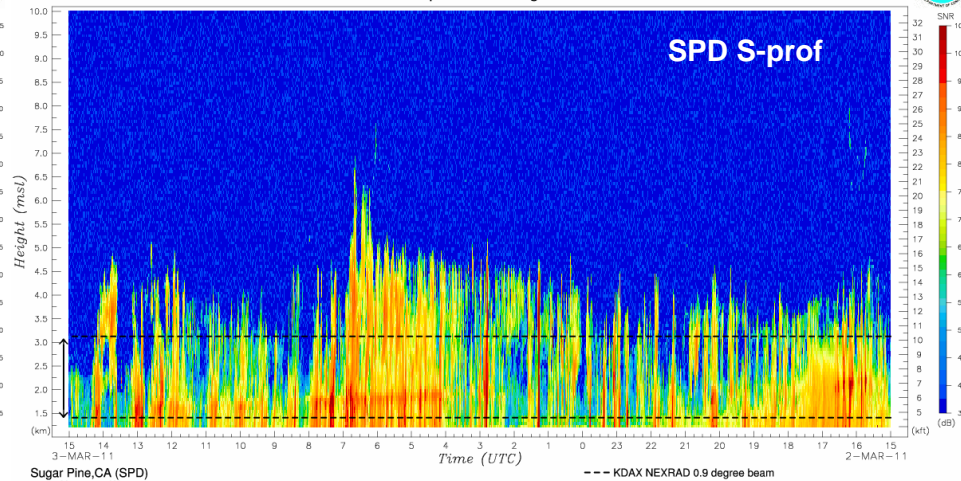
# ESRL Physical Sciences Division Wind Profiling Radar



## ESRL Physical Sciences Division Precipitation Profiling Radar

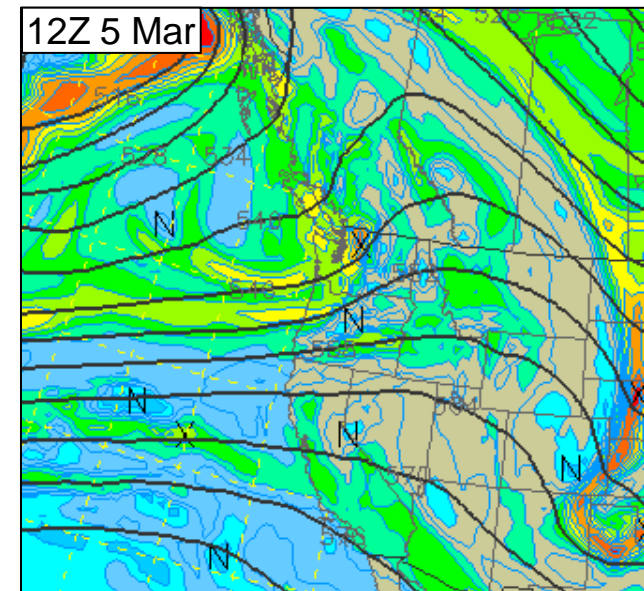
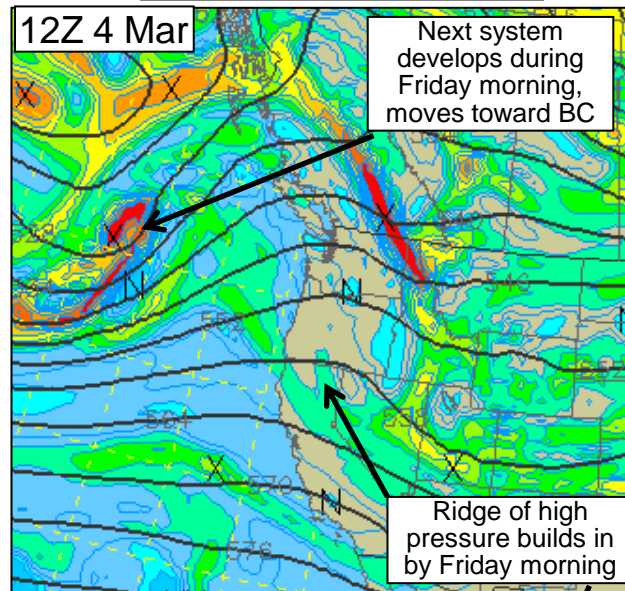
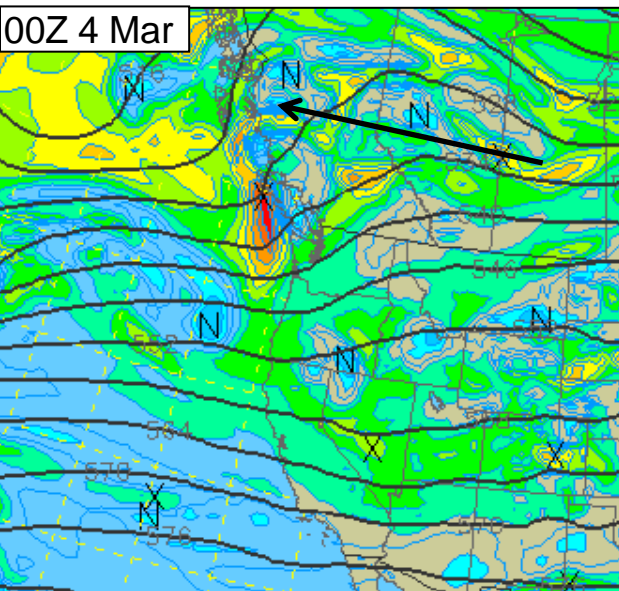


## ESRL Physical Sciences Division Precipitation Profiling Radar

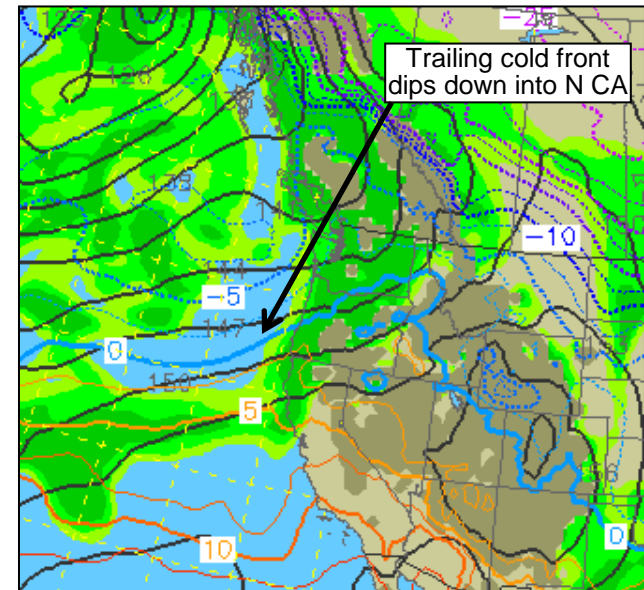
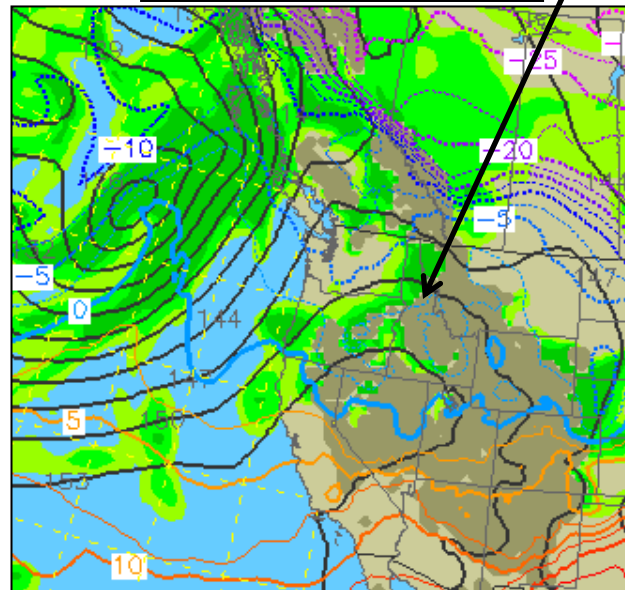
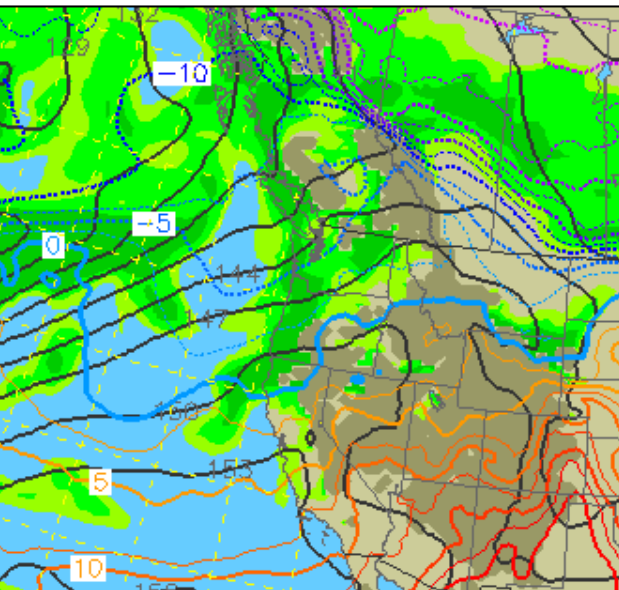


# Short-range synoptic-scale outlook: 00Z 4 Mar – 12Z 5 Mar

500-hPa Z & vort

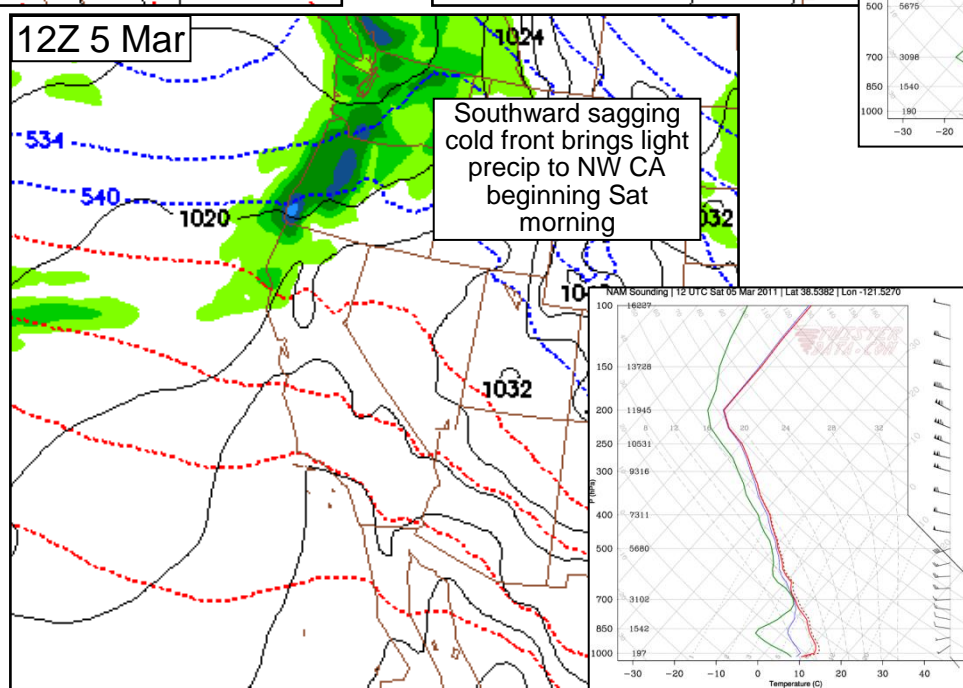
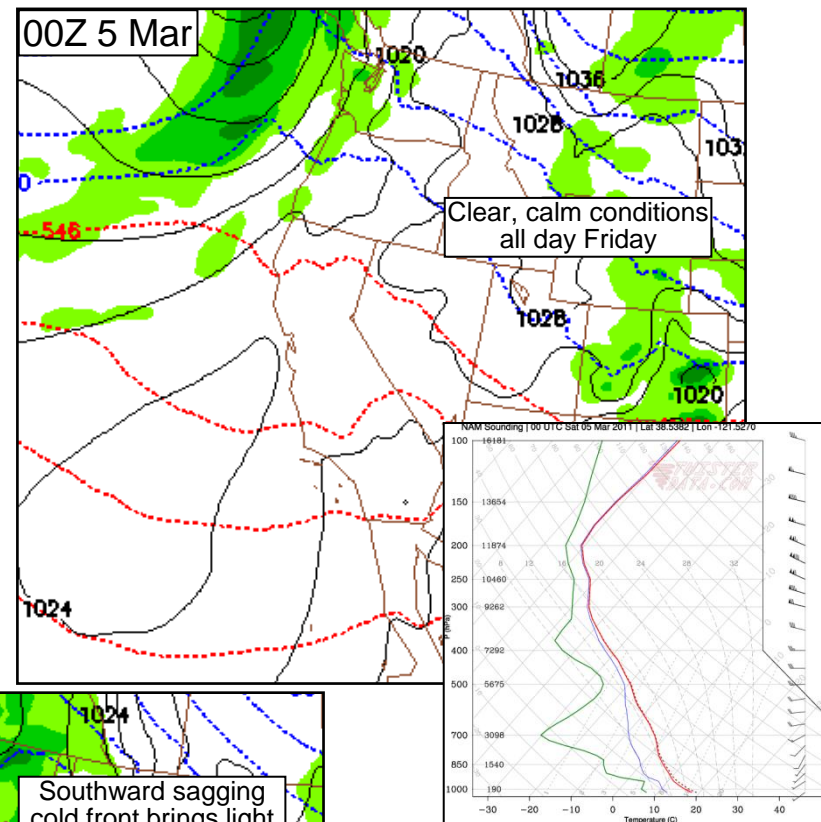
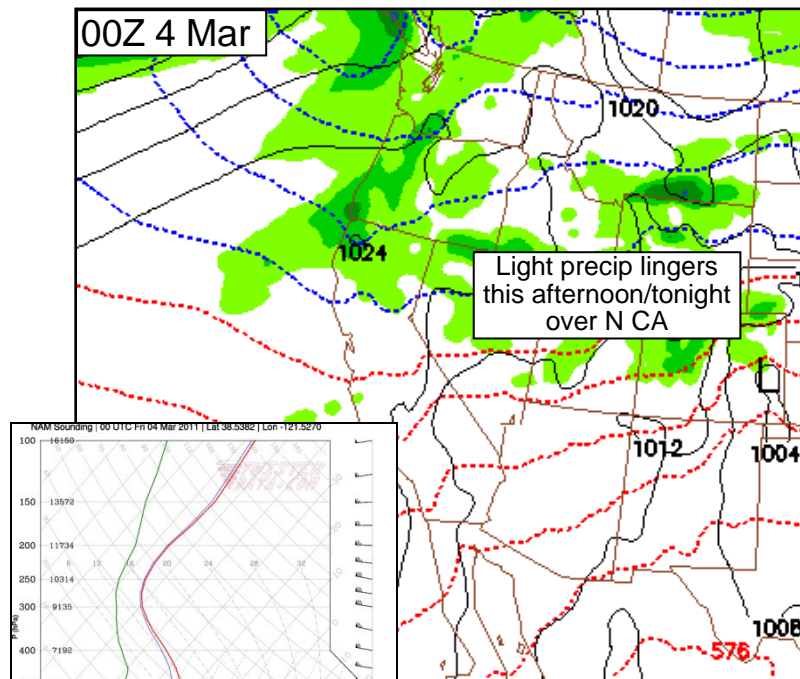
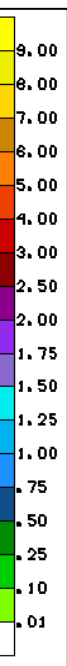


850-hPa Z, T, & RH





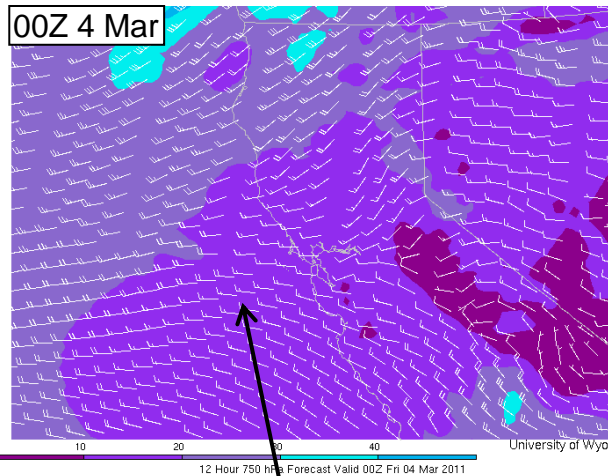
# MSLP, thickness & precip from NAM: 00Z 4 Mar – 12Z 5 Mar



# Short-term low-level wind outlook from NAM

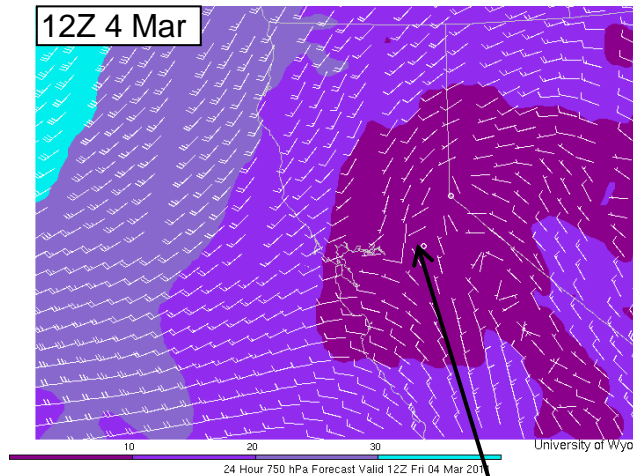
## 750 hPa (~2.5 km) winds

00Z 4 Mar



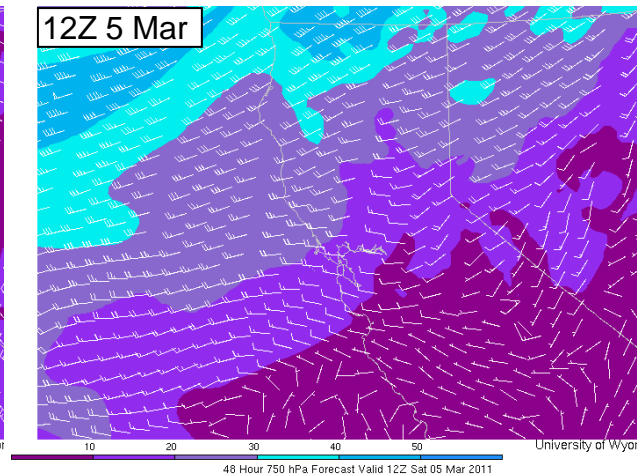
SW flow and remnant moisture maintains light orographics late today

12Z 4 Mar



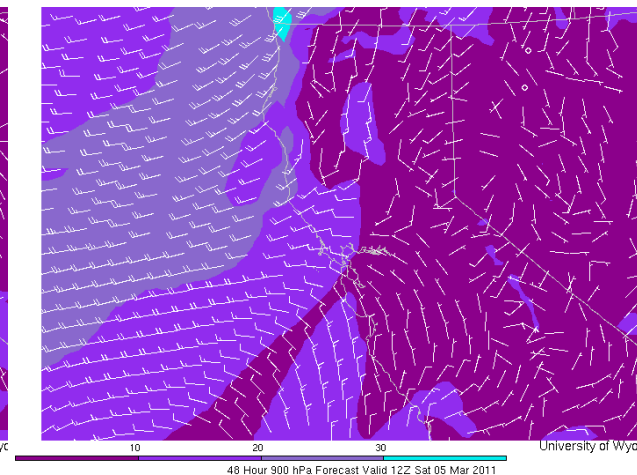
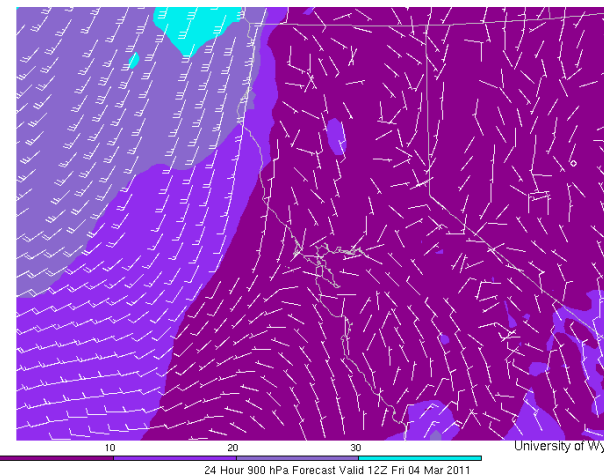
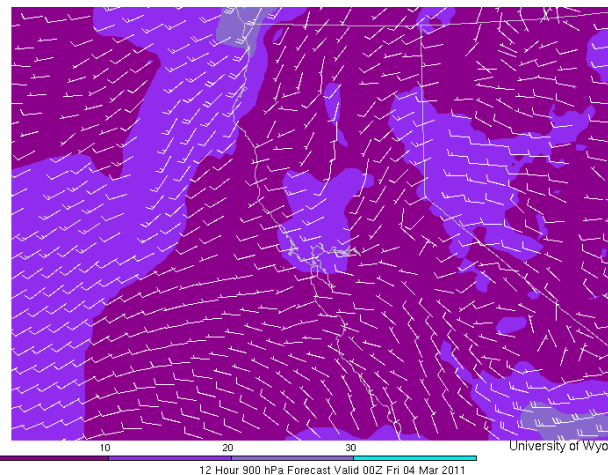
Weak SSW flow across N CA, N flow over S CA

12Z 5 Mar



SW flow is accelerated over N CA ahead of next disturbance

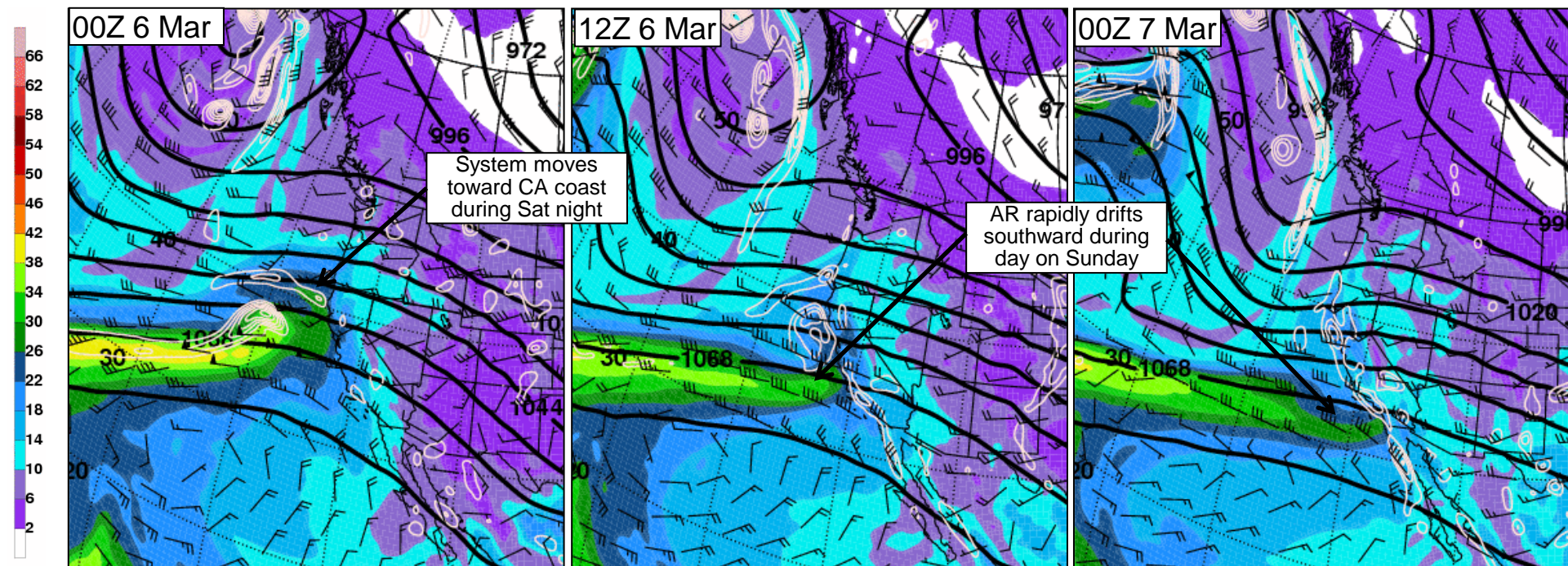
## 900 hPa (~1 km) winds



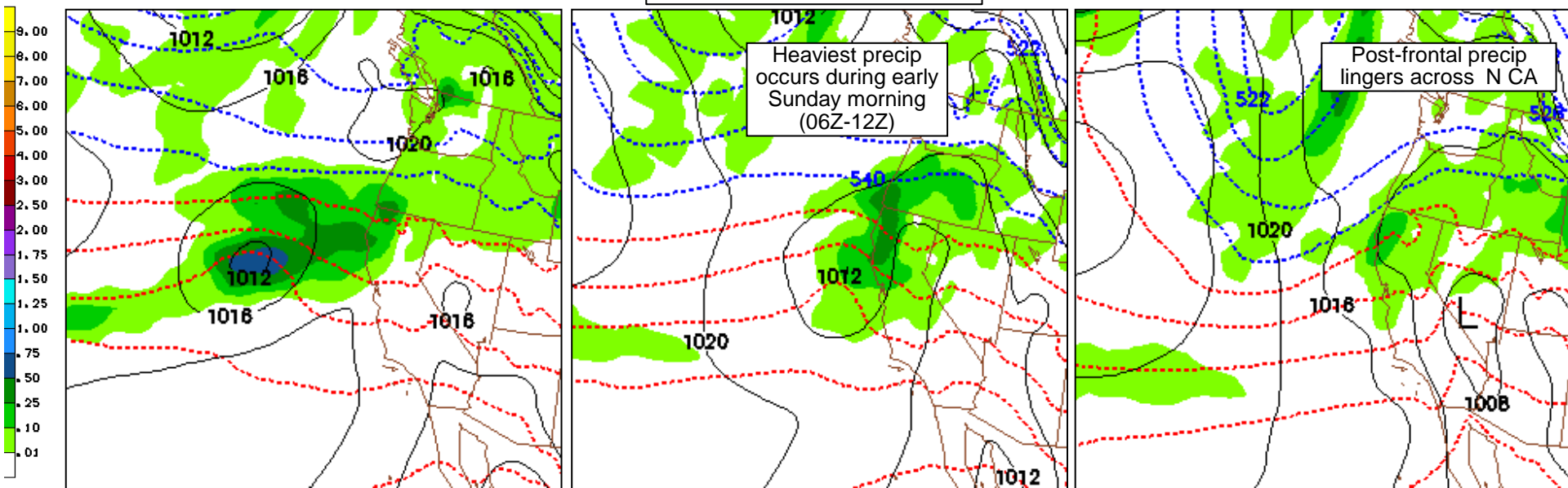
Deterministic GFS outlook to 120 h



250-hPa Z, 850-hPa vort, PW



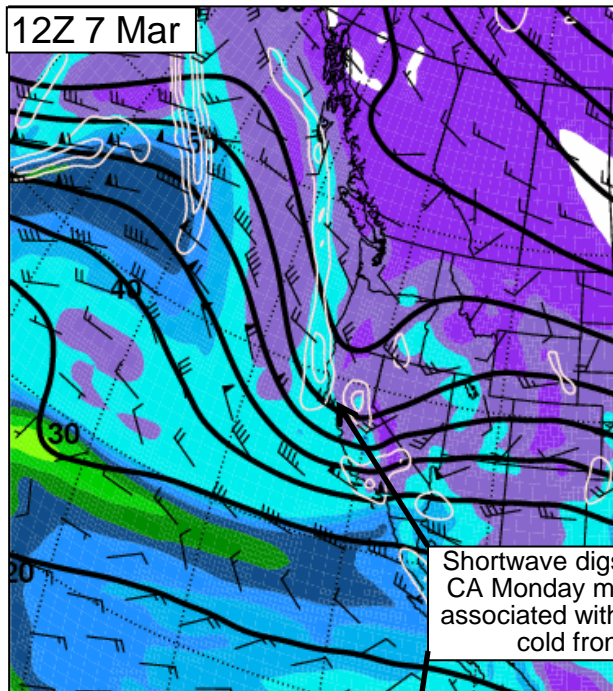
MSLP, thickness & precip



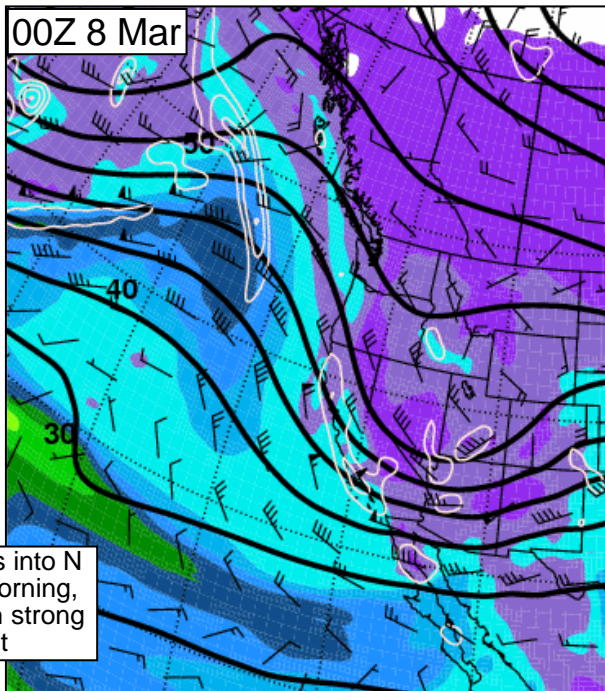


250-hPa Z, 850-hPa vort, PW

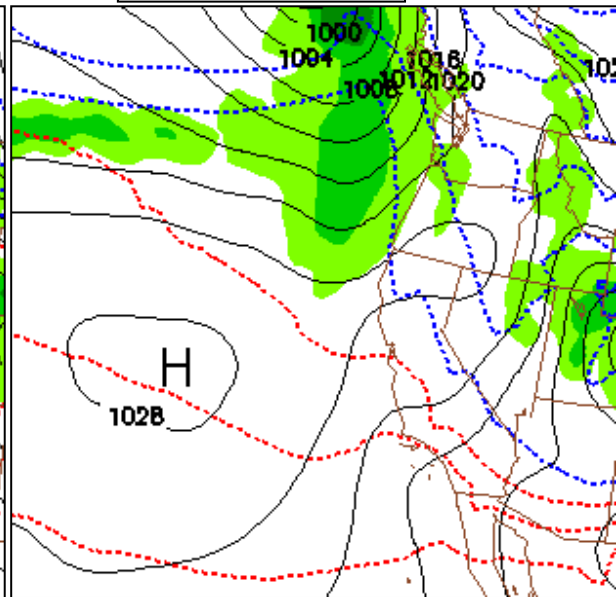
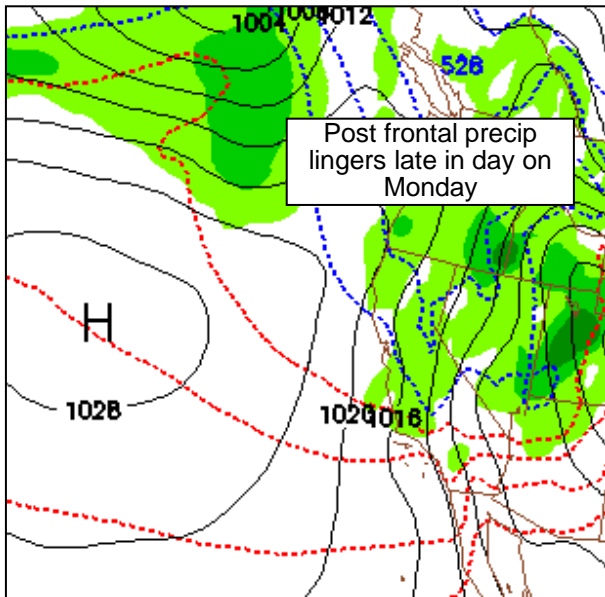
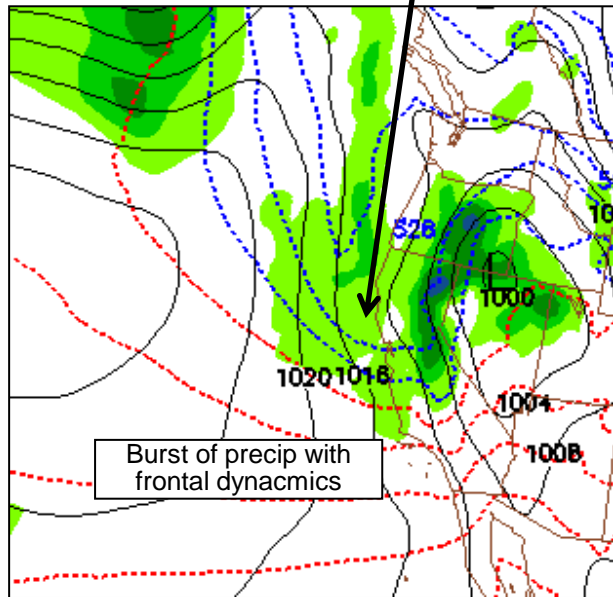
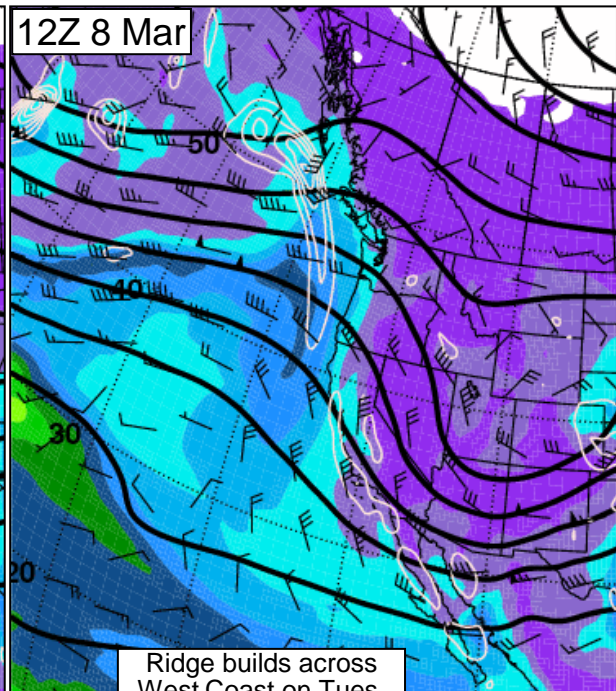
12Z 7 Mar



00Z 8 Mar



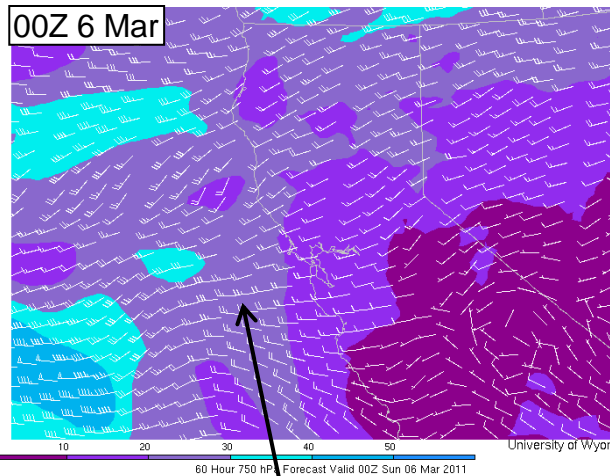
12Z 8 Mar



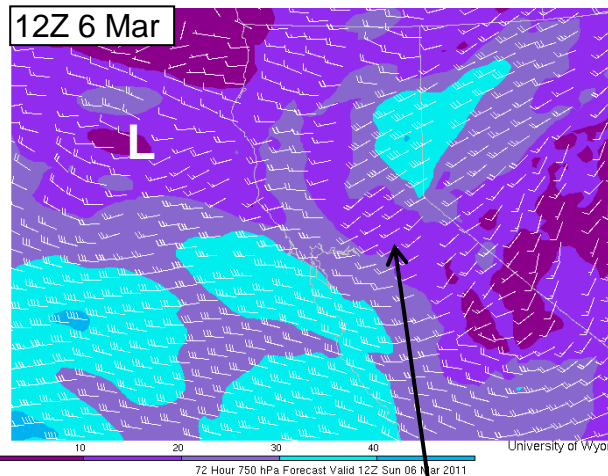
# Short-term low-level wind outlook from NAM

## 750 hPa (~2.5 km) winds

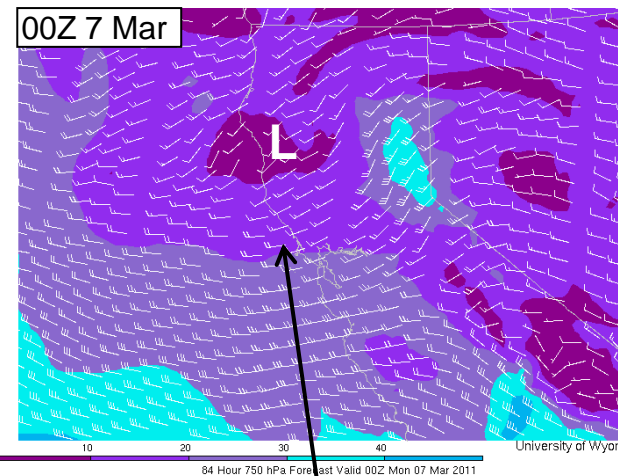
00Z 6 Mar



12Z 6 Mar



00Z 7 Mar

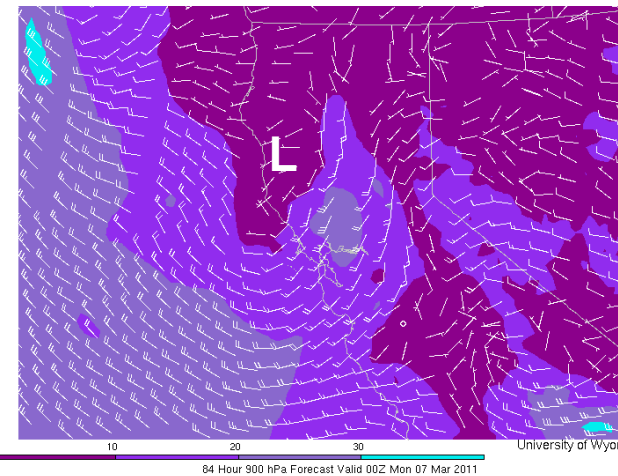
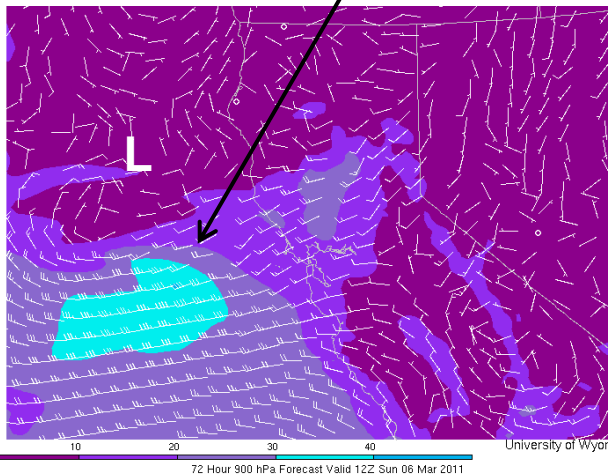
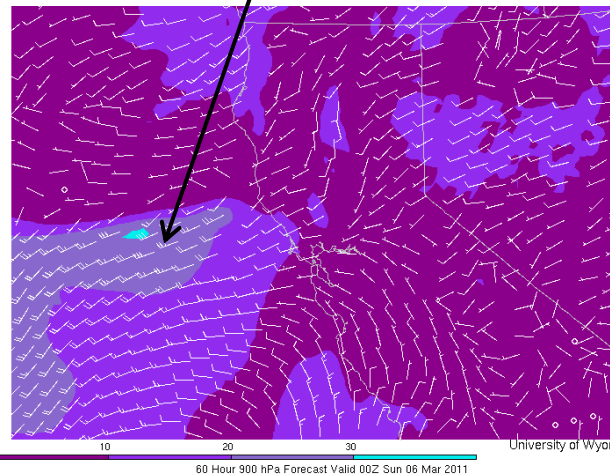


SW flow strengthens as  
system nears CA

Strong prefrontal SW  
flow associated with AR

System rapidly weakens, cold  
front sags south of ARB, strong  
prefrontal flow drifts SW

## 900 hPa (~1 km) winds





# Deterministic GFS outlook 144 h and beyond

